Co et al.

Application No.: 10/084,825

Page 2

PATENT

- 30. (New) A mutant antibody that comprises a mutant immunoglobulin chain, the mutant antibody having higher affinity for an antigen than a parent antibody that comprises a parent immunoglobulin chain, wherein the mutant immunoglobulin chain comprises an amino acid substitution that eliminates a variable region glycosylation site of the parent immunoglobulin chain said elimination having the effect of increasing the affinity of the mutant antibody relative to the parent antibody.
- 31. (New) The mutant antibody of claim 30 wherein the glycosylation site is an N-linked glycosylation site selected from the group consisting of:
 - (1) -Asn-X-Ser-; and
 - (2) -Asn-X-Thr-;

wherein X is an amino acid other than Pro.

- 32. (New) The mutant antibody of claim 30 wherein the glycosylation site is an O-linked glycosylation site selected from the group consisting of:
 - (1) -Thr-X-X-Pro-; and
 - (2) -Ser-X-X-Pro-;

wherein X is an amino acid.

- 33. (New) The mutant antibody of claim 30 wherein the mutant antibody is a humanized version of the parent antibody.
- 34. (New) The mutant antibody of claim 30 whose variable region has no glycosylation sites.
- 35. (New) The mutant antibody of claim 30 whose variable region has no N-linked glycosylation sites.